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ELECTRON MICROGRAPHS OF ULTRATHIN SECTIONS OF LYMPHOCYTES OF A HEALTHY ADULT DONOR INFECTED WITH THE RETROVIRUS ISOLATED FROM A HAEMOPHILIAC PATIENT WITH AIDS (IDAV2)



NOTE THE NUMEROUS BUDDING WITH PROJECTIONS AT THEIR SURFACE AND A MATURE PARTICLE WITH A SMALL CORE.

FIG. 1

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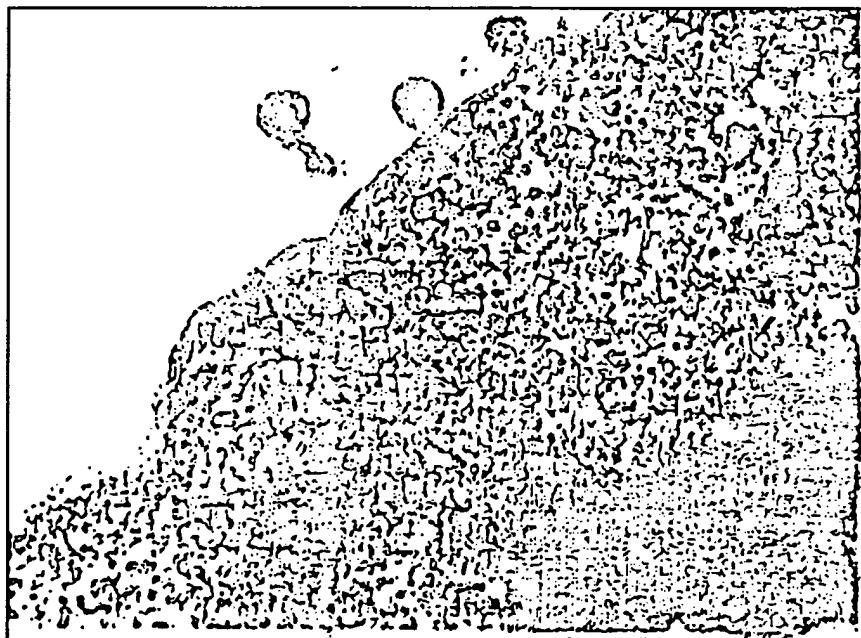
ULTRASTRUCTURAL COMPARISON BETWEEN HTLV AND LAV.



HTLV PARTICLES PRODUCED BY C10 MJ₂ CELLINE.
NOTE THE LARGE CORE OF MATURE PARTICLES AND A TYPICAL BUDDING.

FIG. 2A

ULTRASTRUCTURAL COMPARISON BETWEEN HTLV AND LAV.



LAV MATURE PARTICLES WITH DENSE CORE AND
ONE BUDDING PRODUCED BY INFECTED LYMPHOCYTES.

FIG. 2B

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INTRACELLULAR VESICLE IN LAV-INFECTED LYMPHOCYTES
ARROW INDICATES A BUDDING PARTICLE

FIG. 3

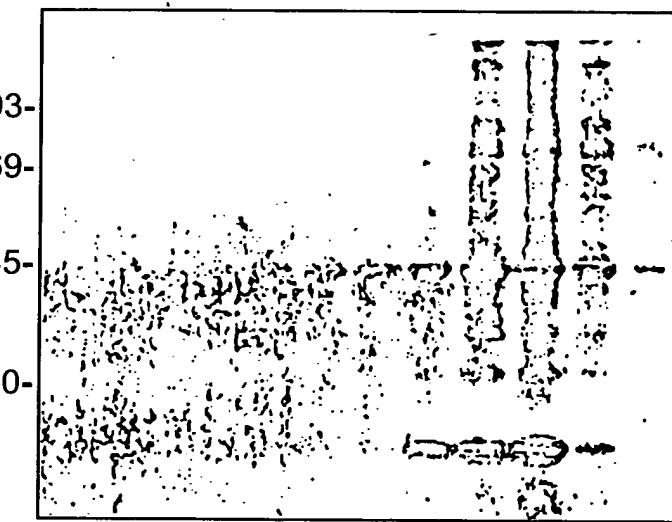
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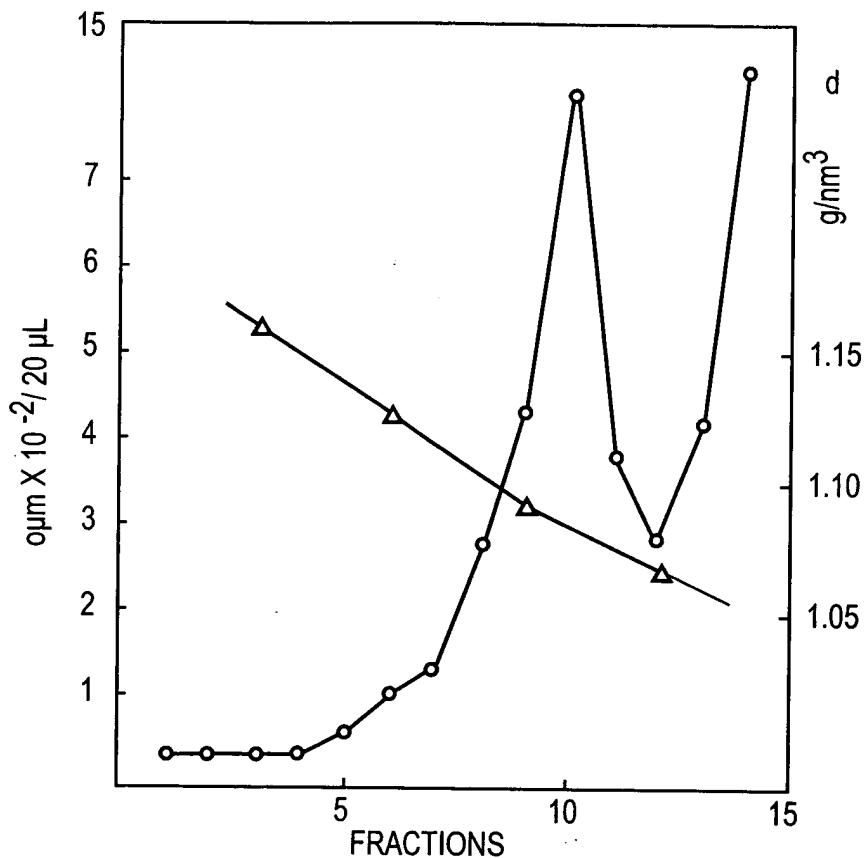
ELECTROPHORESIS AND AUTORADIOGRAM OF
 35 METHIONINE LABELLED LAV.



AUTORADIOGRAM OF THIS GEL, WITH, ON THE LEFT,
MOLECULAR WEIGHT MARKERS IN KILODALTONS. NOTE THAT
THE p25 PROTEIN COINCIDES WITH THE PEAK OF LABELLED
VIRUS AND THAT OF REVERSE TRANSCRIPTASE ACTIVITY
(NOT REPRESENTED)

FIG. 4A

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2ND PANEL: BANDING OF LAV IN A NYCODENZ GRADIENT.
 INFECTED LYMPHOCYTES FROM A HEALTHY DONOR
 WERE LABELLED FOR 18 h IN THE PRESENCE OF ^{35}S -METHIONINE,
 AS DESCRIBED IN [1]. VIRUS WAS PRECIPITATED FROM THE
 CLARIFIED SUPERNATANT WITH 10% PEG 6000 OVERNIGHT AT 4°C
 AND THE PELLET WAS RESUSPENDED IN 0.5ml OF NTE BUFFER
 (0.1M NaCl, 0.01M TRIS, 0.001M EDTA, pH 7.4). IT WAS THEN BANDED
 TO EQUILIBRIUM IN A LINEAR NYCODENZ (NYEGAAND, OSLO, 5.35%)
 GRADIENT IN A SW56 ROTOR FOR 3 h AT 45,000 RPM, 2°C.
 ALIQUOTS OF THE COLLECTED FRACTION WERE ASSAYED
 FOR RT ACTIVITY (10 μl), RADIOACTIVITY (20 μl ; THICK LINE), AND
 40 μl WERE ELECTROPHORESED ON A POLYACRYLAMIDE GEL (12.5%)
 UNDER DENATURING CONDITIONS. DENSITY OF RETROVIRUSES IN
 NYCODENZ GRADIENTS (LAV OR MuLV)
 WAS VERY LOW (AROUND 1.10).

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FIG. 4B